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PA CHISSO CORP
IN SADA EIZO; others: 02
IC C12N9/96; A61K37/48
TI STABILIZATION OF ---PROSTAGLANDIN--- ---SYNTHETASE---
AB PURPOSE: To improve ---prostaglandin--- synthesizing activity of a
---prostaglandin--- ---synthetase--- and to enable the maintenance of
the activity at high level over a long period, by converting the enzyme
to a liposome with a phospholipid and forming a vesicle-like substance.

CONSTITUTION: 1 Part of a ---prostaglandin--- ---synthetase--- obtained
from a homogenate, etc. of a biotissue such as seminal vesicle of
sheep, seminal vesicle of cattle, mesenterium of pig, etc., is added
together with a buffer solution such as phosphate buffer solution to
about 0.1-0.2pts. of dispersion or thin film of phospholipid such as
composite lipid having phosphoric acid ester and carbon-phosphorus bond
and thoroughly shaken at 30-60 deg.C to convert the mixture to liposome
and form a substance having a vesicle-like structure. The
---prostaglandin--- ---synthetase--- having the form of liposome can be
immobilized and utilized for the production of ---prostaglandin--- E2,
etc.

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